

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



AGRICULTURAL LIBRARIES INFORMATION NOTES

National
Agricultural
Library

U.S. Department of
Agriculture
Beltsville, Md. 20705

ISSN: 0095-2699
Volume 8, Number 3
March 1982

LANDMARK AGRICULTURAL REFERENCE TOOL PUBLISHED



*Guide to Sources For
Agricultural and
Biological Research.*
J. Richard Blanchard
and Lois Farrell.
Berkeley, University
of California Press,
1981. 735 p. 5779
citations. \$47.50.

A long awaited *Guide to Sources For Agricultural and Biological Research* has just been published by the University of California Press! A guide to the wealth of published data flowing out of intensive agricultural and biological research has been long overdue. The contributors to this major reference work describe and evaluate several thousand sources of information in a variety of formats. The primary emphasis is on *research* in agriculture and biology. Many related subjects such as ecology, forestry, meteorology, and human nutrition are also covered in detail. Although new material published as late as 1980 is included, the cut-off date for some chapters was October 1978.

Dr. Blanchard is a librarian emeritus of the University of California, Davis and formerly a reference librarian at the USDA Library (now the National Agricultural Library). Lois Farrell is Librarian, Agricultural Library, University of California, Berkeley.

Four reviewers, involved in the flow of agricultural information, have evaluated this *Guide*. The following reviews reflect their own perceptions and experiences as to the utility of this work.


Leo C. Mayer
Associate Adminis-
trator, Foreign
Agricultural Service,
U.S. Department of
Agriculture,
Washington, D.C.

It is a sign of the times in which we live that researchers need a "guide" to source books of information in the area of agricultural and biological research. A few years ago, a researcher might have needed a guide to sources of information, but not to source books. And a few decades ago, most researchers would have known all major sources of information in his or her field of expertise. In the past few years, though, research information has grown at an exponential rate. The result is that it requires special organizational techniques relating to information retrieval to assure oneself that all important writings in a particular field are available for review.

It is toward this end that the *Guide to Sources for Agricultural and Biological Research* is directed and for which it can fulfill a very useful purpose. As the editors refer to it, the "Work" provides an extensive description of literature on agricultural research in almost all its phases--technical, physical, environmental, and social. In examining it, I first looked for a table of contents to see how complete the coverage of agricultural research was, and whether it lived up to the editors' view. Indeed, the range of coverage is substantial. And my thought was how helpful this could have been in my previous positions where I had to respond quickly to requests from Congressmen for information on almost all phases of agricultural issues.

Beyond the table of contents, the other especially helpful parts of the *Guide* will be the indexes that are included--the subject index, the title index, and the author index. These provide a ready source of information on where one can look for further information on a particular subject within this 700-plus page volume. There is also included in the volume an appendix of acronyms and abbreviations that will be referred to many times by persons trying to locate information on organizations, associations, laboratories, or other entities in the field of agriculture. Again, in my 10 years in Government, I can recall many times when the call came with the question, "do you know what EFTA or CIMMYT stand for?" Now there is a source book that provides a quick answer.

To the individual researcher, though, the sections on particular disciplines will probably be most intensively examined. In my own case, I looked at the chapter on social sciences and more specifically at the section on agricultural economics with great interest. There I found many entries that would be particularly helpful were I to undertake a long-term research project. Such generally unknown sources as the Commission of the European Community or the *World Agricultural Economic and Rural Sociology Abstracts* are described in some detail with addresses and years of coverage given. Indeed one might happen on these if he went to the card catalog of a major library and examined it thoroughly, especially if it was an agriculturally-oriented library. But it would be far easier and less time consuming to use this source book.

In the final analysis, this book reflects where agricultural research has grown in the past few decades. There has been an explosion of research information that has made it very difficult for graduate students and new members of university faculties to locate let alone grasp the vast amount of knowledge already available. It was a President of the United States who once said "the only thing new is the history you haven't read." There was also a professor of mine in graduate school who noted the proliferating number of journals and suggested that "it is easier to write it than to read it." In both instances, the axiom is the same; try and discover what is already known before you set out to conquer the world. This guide book can be a useful road map in planning that trip. 

Dudley T. Smith
Associate Director
Texas Agricultural
Experiment Station
College Station, TX

Today's agricultural and biological sciences create increasing challenges for the research investigator to maintain perspectives on scientific developments and their implications for the future. *The Guide to Sources for Agricultural and Biological Research* is a valuable aid for scientists in both the private and public sectors.

Under the sponsorship of the National Agricultural Library of the USDA, editors Blanchard and Farrell have compiled a useful annotated bibliography which encompasses both traditional and nontraditional topics and sources of literature. The reference is a guide to other sources of information with an indexed key to orient the reader to subjects of particular interest.

The *Guide* is primarily useful for identifying new sources of information. For example, the researcher interested in plant sciences may quickly gain an awareness of recently developed literature guides, dictionaries, maps, abstracts, and indices; likewise, the animal scientist will find abstracts of relevant publications plus also general directories, national conferences, and the international congresses, from both domestic and international sources.

An entire chapter is devoted to "Computerized Data Bases for Bibliographic Research" and not only describes the various data-bases available, but explains the differences among them, the relative uses of each, and means of access to them. Such bases as AGRICOLA, MEDLINE, PESTDOC, AGECON, etc. are described in detail and are evaluated comparatively.

The *Guide* is more than a compilation of literature sources, indices, and guides, however. The introduction outlines methods for literature search, by reviewing three approaches commonly employed by scientists:

- (1) the current approach, by which scientists keep up to date with developments in their fields;
- (2) the everyday approach, for locating specific information such as chemical structures, boiling points, etc.; and

- (3) the exhaustive approach, in which the scientist develops a search strategy, perhaps in consultation with a librarian, checking relevant guides, and searching computer files.

In all, the *Guide* is a useful source of information. It apprises librarians of the specialized information necessary to keep their collections up to date with the latest scientific journals, abstract services, computer bases, and agricultural and biological publications. It directs researchers to recent developments in information networking in their fields, as well as to innovative information retrieval systems, legislation which may affect their work (both pending and recently enacted), and ephemera such as directories and conference schedules.

I hope that smaller libraries will have an opportunity to acquire the *Guide to Sources for Agricultural and Biological Research*. It will be particularly useful to small libraries (containing 200 to 10,000 volumes) which have the means to participate in inter-library loans. Scientists frequenting small public libraries (such as academic departments) corporate, or divisional libraries will find this book to be particularly helpful.



Richard Wallace
Librarian
Archer Daniels
Midland Co.,
P.O. Box 1470
Decatur, IL

Blanchard and Farrell have edited a compilation of printed and computer sources dealing with all activities "...directly or indirectly involved with the production and distribution of food for the use of mankind." The references were compiled by 12 contributors, including the editors.

The references are arranged in nine broad subject categories, including plant sciences, animal sciences, food science and nutrition, environmental sciences, and computerized bibliographic databases. Each of the broad subject areas is divided into more specific subject sections. Within each section, the entries are arranged by categories or type of material (literature guides, dictionaries, directories, congresses, statistics).

An item is fully described in only one chapter with cross references from all others. Each entry is annotated, a few critically. There are author, title, and subject indexes. Most of the items cited are books and federal government documents, although journal articles are included. The majority of items were published by 1978; although there are some 1979 and 1980 entries. With a few exceptions, the materials cited are in English and published in the United States or Great Britain.

This is a revised, expanded, and updated version of J. Richard Blanchard and Harold Ostvold's *Literature of Agricultural Research* (University of California Pr., 1958). *Guide to Sources for Agricultural and Biological Research* is arranged in a very similar manner to this earlier work, although new chapters and subsections have been added. The arrangement of items within each chapter and subchapter is the same in both books. The

growth of the literature in agriculture and related fields may be found in all sections of the book. The chapter on food in the 1958 edition has 158 entries versus 518 entries in the new edition. There is some overlap of references in the two books, but I would not advise discarding the 1958 edition if there is a need to know about agricultural literature prior to 1958.

I did not have a chance to compare Blanchard and Farrell's book to Lilley's *Information Sources in Agriculture and Food Sciences* (Butterworth, 1981). If only one of these two books can be purchased, it would be advisable to compare both books side-by-side, or at least read reviews of both.

I compared this book to several bibliographies in the food area. *Guide to Sources for Agricultural and Biological Research* is broader in scope, better edited and/or more current than E.A. Baker and D.J. Foscett's *Bibliography of Food* (Academic Pr., 1958); R.L. Freedman's *Human Food Uses* (Greenwood Pr., 1981); or M. Recheigl's *World Food Problems* (CRC Pr., 1975). The *Guide* is better indexed and annotated.

It is hard to compile a representative, yet fairly comprehensive bibliography. There are gaps and omissions which I find curious. For example, there are only a couple of books dealing with the processing of chemistry of soybeans and oilseeds and their proteins. The books on cereals and grains deal with agronomic aspects, not chemistry or processing. An important title on analytical methods is missing: the *AACC Methods* of the American Association of Cereal Chemists. An important bibliography missing from the food chapter is *Food Publications Roundup*, a fairly comprehensive list of English language books and pamphlets on food and nutrition published irregularly by the Food and Nutrition Division of the Special Libraries Association.


The editing is good; however, there are inconsistencies and incomplete or incorrect citations. I will limit my comments to the "Food Science and Nutrition" chapter. There are new editions of many of the titles cited, some of these were published prior to 1978. For example, a fourth edition of the *Encyclopedia of Labeling Meat and Poultry Products* was published in 1978, and the third edition of Baileys' *Industrial Oil and Oil Products* was published in 1964. Many of the buyer's guides and directories cited are published annually or biennially, but they are listed as if they were published only once. In some cases, the annotation does indicate the entry is an annual. Government documents are easier to identify when series or publication numbers are given. There are a number of entries without such identification; for example, *Selected References on Cereal Grains in Protein Nutrition* is part of the ARS series (ARS 61-5).

There is no list of key journals for any field, although abstracts and indexes are given (see Chapter A, pp. 70-73 for a listing of periodical directories). A list is always helpful to anyone doing research in a new field for the first time. Very few agricultural experiment station publications were included even though many excellent titles have been published. I

expected to find some audiovisual materials listed; I did not even find a directory of sources for this type of material. Good audiovisual materials may provide a good overview or introduction to a subject. In the database listings FOODS ADLIBRA, AQUACULTURE, and the IRL (Information Retrieval Limited) LIFE SCIENCES COLLECTION are omitted. *(Editor's Note: The emphasis in the Guide is on research materials as opposed to instructional materials, although some of the latter are included. Audiovisual directories and guides are generally educational in intent. However, Audiovisual Resources in Food and Nutrition, published by the U.S. National Agricultural Library, is listed. The database files cited were not available in October 1978, when Chapter I was submitted for printing. The long time period when the Guide was in press proscribed addition of new material).*

It appears the compilers did not ask librarians working in for-profit corporations to provide input. Each of us knows of at least one title which is considered the best source of information for our field. I think this input would have provided a much more comprehensive bibliography.

The book would have been more useful if there were addresses for the not-so-common organizations and publishers, ISBN numbers where they are known, and out-of-print notations. At the beginning of each sub-chapter cross references to relevant titles in other parts of the book would have been helpful.

I would recommend that agriculture and food librarians consider purchase of this book. Not only will it be used by many patrons, but it can be used to evaluate and update collections. I think the price (\$47.50) may prohibit many researchers and graduate students from buying personal copies. It would be beneficial if the publisher would sell individual chapters. 

Ben R. Blankenship
Director
Information Division
Economics Management
Staff, U.S. Department of Agriculture,
Washington, D.C.

"...this work will be most useful to librarians, graduate students, and research scientists." Agreed. At least, it appears exhaustive enough. The "research" net obviously was cast far and wide, with the haul consisting of about every kind of fish and crawly thing you could imagine. Except perhaps the one you would look for, as a critical reviewer.

Let's see now. Way back in the fifties, I edited and published in Chicago an annual corn research proceedings that had some reput--the 13th, 14th, and 15th editions if I recall. And would you believe the annual series is still being published? It is. Just dial its sponsor, the American Seed Trade Association in Washington, D.C. to confirm.

I searched in vain for mention of it in the review copy at hand. For 30 minutes or so it seemed, I checked the author, subject, and title indexes. Interestingly, under Corn, the subject index carries five citations. Well, I thought at first glance, perhaps


that's all right if others are similarly treated. Then I came across Wine. It has nine. Wood has over a dozen.

Was there a pattern? To the title index I scurried, passing over Cattle, with three entries. (Beef cattle? Four.) Corn had three citations. Bee and Beekeeping buzzed with 10.

But here's Bibliographies. Wow. At least 300 entries.

Then it dawned. As the title implies, this is where to look, not to get information, but to find out where to look for references that will reveal which books to consult for the information you seek.

A further thought intruded. It would probably be easier to do a keyword search at a terminal set up for that purpose, and get quickly into AGRICOLA, and all those esoteric areas. (*Editor's Note: Information sources as described by Blanchard and Farrell will not necessarily be found in databases such as AGRICOLA. Certainly they would not be presented in any hierarchical order relative to the intellectual organization of subject knowledge.*)

But just in case, when the computers are down, this volume could come in quite handy, I would surmise, particularly if bees or bibliographies are your thing. 

PUBLISHER OFFERS 20% DISCOUNT

Sample entries:

Crop physiology abstracts. V. 1- (1975-).
Farnham Royal, Eng.: Commonwealth
Agricultural Bureaux, 1975-.

B114

Monthly. 9,000 abstracts per year collected from the whole CAB data base, including those prepared for *Field crop abstracts* (B716), *Herbage abstracts* (B787), *Horticultural abstracts* (B448), etc. Covers all aspects of plant physiology: germination, growth and senescence, reproductive development, tropism and nastic movement, stomatal movement, photosynthesis and respiration, translocation and accumulation, nutrition, nitrogen fixation, enzymes, growth regulators and metabolic inhibitors, metabolism, movement and fate of herbicides, pesticides, etc. Arranged by subject, with author indexes.

Küchler, A. W., comp. International bibliography of vegetation maps. Lawrence: University of Kansas, 1965-1970. 4 v. (Publications, Library Series, 21, 26, 29, 36)

B323

Volume 1, Vegetation maps of North America (1965, 453 p.); volume 2, Vegetation maps of Europe (1966, 584 p.); volume 3, Vegetation maps of the Union of Soviet Socialist Republics, Asia, and Australia (1968, 389 p.); volume 4, Vegetation maps of Africa, South America, and the world (general) (1970, 561 p.). The maps listed in each volume are arranged first by whole continent or area, then by country, then chronologically. For each listed map Küchler gives title, scale, legend, when and where published (including author), and notes whether the map is in black-and-white or color. About 900 to 1,500 maps noted per volume.

ENVIROBIB (Environmental Periodicals Bibliography) (1972-). Santa Barbara, Ca.: Environmental Studies Institute.

I046

Bimonthly. Data base covering the contents of 275 environmental periodicals. Corresponds to printed *Environmental periodicals bibliography* (G021). Subject access is through title words and terms derived from articles. Broad areas represented include: human ecology, air, energy, land resources, water resources, and nutrition and health. On-line access is available through DIALOG.

ORDER FORM

Please send _____ copies of **GUIDE TO SOURCES FOR AGRICULTURAL AND BIOLOGICAL RESEARCH** edited by J. Richard Blanchard and Lois Farrell at the special 20% discount price of \$38.00 (\$47.50 list). Please add \$1.50 for postage and handling. California residents add appropriate 6 or 6½% sales tax.

My check for _____ is enclosed.

Name _____

Address _____

City _____ State _____ Zip _____

066-000



DIRECTOR'S COLUMN

For the past half dozen years, the NAL, CDS (Communications & Data Services Division) and ARS (Agricultural Research Service) have developed and maintained a close cooperative relationship with Brazilian agricultural libraries and information centers. In 1977, Carl Cantrell, then a member of the NAL Computer Applications unit, took a short-term assignment with Empresa Brasileira de Pesquisa Agropecuária (EMBRAPA). Carl will finish his fifth year in Brazil this October. He has become the resident Especialista em Sistemas de Informação. Lou Brocato of CDS and his staff, Hilary Burton of ARS, and Wallace Olsen of NAL have all taken their turn at the hard work of assisting these enthusiastic Brazilians.

In mid-January of this year (what better time to travel to summer) I visited agricultural library and information centers in Brazil. This included stops at Brasília, the Cerrados Research Center at Planaltina, João Pessoa, Recife, and Rio de Janeiro. In Brasília I spent a day at NAL's counterpart, the Biblioteca Nacional de Agricultura (BINAGRI). I carried with me a packet of inter-library loan requests for South American materials not in the NAL collection. These were accepted with enthusiasm and we have received photocopies of several of them since that time. I brought back some names of people we can contact for these difficult-to-locate requests. I saw an excellent slide presentation of the BINAGRI services and was especially impressed with the editorial and art work on the library's guides and other publications.

At João Pessoa (on that point of South America nearest Africa) I presented

papers at the 10th Conference of Agricultural Librarians and Documentalists and the 11th annual Brazilian Congress of Library Science and Documentation. Both meetings were very much on the order of U.S. library conferences. About 3,000 people attended. I was received with great courtesy and interest. Many Brazilian librarians speak English, but I was sorry to say that this was my first encounter with Portuguese. Once I heard it spoken I was happy to have had high school Latin.

I had a talk with Eliseu Roberto de Andrade Alves, President of EMBRAPA. He has funded information services generously and is pleased with the cooperation he has had with those of us from the United States. Our chief contact at EMBRAPA is Ubaldino Dantas Machado, Head of the Department of Information and Documentation. He expressed interest in sending more of his people to the U.S. to "look over our shoulders" and learn how we do things. I encouraged him to plan these visits.

My two weeks in that country left me with a warm feeling for the Brazilian people and their beautiful country. I have in mind a 100km trip by auto from Joao Pessoa to Recife. As a farm boy from Wisconsin I did a double-take at the sight of cows grazing in a green pasture under palm trees, and further up the road to observe that McDonald's hamburgers had invaded that tropical paradise.

Richard A. Farley, Director
National Agricultural Library



NEW BIBLIOGRAPHIES

An Annotated Bibliography of Pigeonpea, 1900-1977. B.S. Dahiya. Andhra Pradesh, India, International Crops Research Institute for the Semi-Arid Tropics. May 1980. 183 p. 1,275 citations. Order from: Publisher, Patancheru P.O., Andhra Pradesh, India 502 324. Price unavailable. (NAL call no.: Z5996.P4D3).

An Annotated Bibliography of Seagrasses with Emphasis on Planting and Propagation Techniques. Daniel B. Knight, Paul L. Knutson, and Edward J. Pullen. (U.S. Army Coastal Engineering Research Center. Miscellaneous Report No. 80-7). Fort Belvoir, Virginia, U.S. Army Coastal Engineering Research Center. September 1980. 46 p. 145 citations. Order from: National Technical Information Service, Operations Division, 5285 Port Royal Road, Springfield, VA 22161. Order No. ADA092584. Price: \$7.50. (NAL call no.: Z5074.A8A5).

Bibliografia Sinaletica de Especies Florestais Nativas (Synalectic Bibliography of Native Forest Species). Emilio Rotta and Carmen Lucia Cassilha. Brasilia, EMBRAPA, Departamento de Informacao e Documentacao. 1980. 162 p. 551 citations. Order from: Publisher, Edificio Venancio 2000 - 70 andar, Caixa Postal 11.1316, 70333, Brasilia, D.F. Price unavailable. (NAL call no.: Z5356.T8R6).

Biologicheskii Metod Zashchity Rastenii: Ukazatel' Literatury za 1979 god... (Biological Methods of Plant Protection: Literature Guide for 1979, 432 Domestic Titles, 564 Foreign Titles). E.S. Zaitseva. Moskva, TsNSK hB VASK hNIL. 1980. 123 p. 996 citations. Order from: Central Scientific Agricultural Library, Orlikov Bystreet, 3, 107804, Moscow, B-139, U.S.S.R. Price unavailable.

Environmental Impact Assessment: A Bibliography with Abstracts. Brian D. Clark, Ronald Bisset, and Peter Wathern. New York, Bowker. 1980. 516 p. Approx. 1,080 citations. Order from: Publisher, 1180 Avenue of the Americas, New York, NY 10036. Price: \$59.95. (NAL call no.: Z5863.157C63).

Guide to Sources for Agricultural and Biological Research. J. Richard Blanchard and Lois Farrell. Berkeley, University of California Press. 1981. 735 p. Order from: Publisher, 2223 Fulton Street, Berkeley, CA 94720. 20% discount price of \$38.00 (\$47.50 list). Please add \$1.50 for postage and handling. California residents add 6 1/2% sales tax. ISBN 0-520-03226-8.

Impacts of Backcountry Recreation: Site Management and Rehabilitation -- An Annotated Bibliography. David N. Cole and Edward G.S. Schreiner. (U.S.D.A. Forest Service General Technical Report INT-121). Ogden, Utah, U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. September 1981. 58 p. 348 annotated and 53 non-annotated citations. Free. Order from: Publisher, 324 25th Street, Ogden, UT 84401. (NAL call no.: aSD11.A48).

Information Sources in Agriculture and Food Sciences. G.P. Lilley. London, Boston, Butterworths. 1981. 603 p. (Butterworths Guides to Information Sources). Order from: Publisher, £ 25.00. ISBN 0-408-10612-3. (NAL call no.: S494.5.D615).

International Research on Saline Irrigation Waters: An Annotated Bibliography. 1950-1980. I.C. Gupta and K.N. Pahwa. New Delhi, India, Agricole Publishing Academy. 1981. 394 p. 884 citations. Order from: Publisher, D-76 Panchsheel Enclave, New Delhi, 100 017, India. Price unavailable. (NAL call no.: Z5074.17G86).

Iskusstvennoe Osemenenie Sel' skokhoziaistvennykh Zhivotnykh: Ukazatel' Literatury za 1978-1980 gg... (Mycosis and Mycotoxicosis of Farm Animals and Fowl: Literature Guide for 1978-1980, 287 Domestic Titles, 602 Foreign Titles). D. Kh. Bortnikova. Moskva. TsNSK hB
(BIBLIOGRAPHY, Continued on p. 10)

AWARDS TO BE PRESENTED BY ASSOCIATES OF THE NATIONAL AGRICULTURAL LIBRARY, INC.

Three special awards will be made to nominated outstanding recipients in the agricultural library community by the Associates of the National Agricultural Library, Inc. at their annual meeting in the summer of 1982.


The Associates will honor outstanding performance in three different categories. Those honored must be nominated for this special attention by their exceptional contributions to the improvement of the agricultural library system and its literature.

The three categories are: (1) **PROFESSIONAL ACHIEVEMENT AWARD** for any published contributions to library literature or meritorious accomplishment in the library science fields. Eligibility: Open to scientists, researchers, librarians, professional societies, businesses, and Associates NAL, Inc.

(2) **CITATION OF SPECIAL RECOGNITION** for special achievement and/or service given to the National Agricultural Library, to other agricultural libraries, or significant achievements leading to the advancement of the library science field. Eligibility: Open to concerned individuals and organizations and businesses in the agricultural field, NAL staff, and the Associates NAL, Inc.

(3) **DISTINGUISHED SERVICE AWARD** recognizes and encourages meritorious performance exceeding job requirements at the National Agricultural Library. Eligibility: Open to all members of the National Agricultural Library staff.

All nominations should be mailed not later than May 31, 1982, to Ms. Barbara Williams Jenkins, Box 1565, South Carolina State College, Orangeburg, South Carolina 29115. Each nomination should include the following information: (1) Name of the award for which

the candidate is proposed, (2) a brief statement of the basis of the nomination and, (3) where appropriate, a bibliography which supports the nomination. 

(*BIBLIOGRAPHY, Continued from p. 9*)
VASKHIL. 1981. 108 p. 889 annotated citations. Order from: Central Scientific Agricultural Library, Orlikov Bystreet, 3, 107804, Moscow, B-139, U.S.S.R. Price unavailable.

Movement of Hazardous Substances in Soil: A Bibliography. Emily D. Copenhaver and Benita K. Wilkinson. (EPA-600/9-79-024). Volume 1. *Selected Metals.* 144 p. 798 citations, some with abstracts. Volume 2. *Pesticides.* 229 p. 1,203 citations, some with abstracts. Cincinnati, Ohio, Municipal Environmental Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency. 1979. Order from: National Technical Information Service, Operations Division, 5285 Port Royal Road, Springfield, VA 22161. Volume 1: Order No. PB80113103, Price: \$15.00; Volume 2: Order No. PB80113111, Price: \$19.50. (NAL call no.: Z5862.2.S6C62).

Small Farm Weed-Control; an Annotated Bibliography. J.A.F. Compton. London, Corvallis, OR. Jointly published by the Intermediate Technology Development Group, Ltd. and the International Plant Protection Center, 1982. 170 p. \$10.00 postpaid. Order from Intermediate Technology Publications Ltd., 9 King Street, London WC2E8HN/U.K. Non-commercial research workers and institutions, agriculturalists, extensionists, educators, and governmental officials working in a developing country may apply for a free copy to: IPPC, OSU, Corvallis, OR 97331.

Sun Power: A Bibliography of U.S. Government Documents on Solar Energy. Sandra McAninch. Westport, CT, Greenwood Press. 1981. 944 p. \$150.00 ISBN: 0-313-20992-8. Order from publisher.

Compiled by Tatiana B. Tontarski
Reference Section, NAL
(301) 344-3704

AGRICOLA WORKSHOPS

Two advanced level AGRICOLA seminars will be held at the following locations and dates:

May 10-13, 1982
USDA, South Agricultural Bldg.
Washington, D.C.

August 2-5, 1982
University of California
Davis, CA

Basic level classes will be held at the following locations and dates:

May 3-7, 1982
USDA, South Agricultural Bldg.
Washington, D.C.

June 14-18, 1982
Colorado State University
& USDA Forest Service
Fort Collins, CO


August 9-13, 1982
Cornell University
Ithaca, NY

September 13-17, 1982
USDA, South Agricultural Bldg.
Washington, D.C.

November 15-19, 1982
University of Puerto Rico
Mayaguez, Puerto Rico

Registrants are responsible for their own lodging, meals, and transportation, but all equipment, manuals, and instructions are provided.

Persons interested in registering in the workshops or seeking additional information should submit their request on letterhead stationery to:
Educational Resources Staff, National Agricultural Library, Room 408, Attn: D. Hoyt, Beltsville, MD 20705.

Requests for enrollment must be received at least 2 weeks prior to the workshop date. Emergency telephone reservations or inquiries may be made by calling (301) 344-3937. 



NEW SERIALS RECEIVED AT NAL

Agriculture and the Environment.
Washington, D.C., U.S. Department of
Agriculture, Office of Environmental
Quality. a. No. 1, June 1980-
HC110.E5A4

Australian Meat Industry Bulletin. Sidney,
Meat & Allied Trades Federation of
Australia. m. Vol. 1, no. 1, August 1981-
HD9428.A8A892

Baking Today. Croyden, England, Maclaren
Pub. for Biscuit Maker and Plant Baker Ltd.
m. Vol. 1, no. 1, May 1980- HD9057.B35

Cotton and Wool Outlook & Situation.
Washington, D.C., U.S. Department of
Agriculture, Economics and Statistics
Service. q. 1981- aHD9074.A1U52

Journal of Applied Toxicology.
Philadelphia, PA, Heyden & Son. bi-m.
Vol., 1, no. 1, February 1981-
RA1190.J6

*Lambert's Worldwide Government Directory
with Inter-Governmental Organizations.*
Washington, D.C., Lambert Publications.
irr. 1981- JA1.L34

Nutrition Research. New York, Pergamon
Press. bi-m. Vol. 1, no. 1, 1981-
QP141.A1N88

Progress in Pesticide Biochemistry.
Chichester, New York, Wiley. irr. Vol. 1,
1981- QP501.P72

Regulatory Toxicology and Pharmacology.
New York, Academic Press. q. Vol. 1,
no. 1, June 1981- RA1190.R42 



NEW PUBLICATIONS OF NOTE

An Economic Analysis of World Energy Problems. Richard L. Gordon. Cambridge, MA, MIT Press. 1981. 282 p. \$21.00. ISBN: 0-262-07080-4. Order from Publisher.

Environmental Impact Statement Directory: The National Network of EIS-Related Agencies and Organizations. Marc Landy. New York, IFI/Plenum. 1981. 367 p. \$44.05. ISBN: 0-306-65195-5.

Fermentation Guide for Potatoes; a Step-by-Step Procedure for Small-Scale Ethanol Fuel Production. Golden, CO, Solar Energy Information Data Bank. 1981. 33 p. (Report No. SERI/SP-751-1006). Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 or National Technical Information Service, U.S. Dept. of Commerce, 5285 Port Royal Road, Springfield, VA 22161. Copies to be distributed to selected land-grant libraries.

Food Problems and Prospects in Sub-Saharan Africa: The Decade of the 1980's. Cheryl Christensen (and others). Washington, D.C., International Economics Division, Economic Research Service, U.S. Dept. of Agriculture. 1981. 293 p. (Foreign Agricultural Economic Report No. 166). Free. Order from issuing agency.

A Handbook of Irrigation and Drainage Terms. English/French. Hampshire, (United Kingdom). J.W.A. Newhouse, (Hazelholt) Bishops Waltham. 1981. 44 p. \$4.95. ISBN: 950259136.

Heat Pump Technology Conference: Proceedings of the 5th Annual Conference. Stillwater, Oklahoma State University. 1980. \$17.00. Order from Publisher.

The Host-Invader Interplay: Proceedings. International Symposium on the Biochemistry of Parasites and Host-Parasite Relationships. H. Van den Bossche. Amsterdam; New York, Elsevier North Holland Biomedical Press. 1980. 766 p. (Janssen Research Foundation Series, v. 2). \$78.15. Order from Publisher.

Information Systems for Agriculture. M.J. Blackie. London, Applied Science Pub. 1979. \$10.00. Order from Publisher.

Methods in Vitamin B-6 Nutrition: Analysis and Status Assessment. Workshop on Vitamin B-6 Analytical Methodology and Criteria for Assessing Nutritional Status (1980 Timberline Lodge, Mount Hood, OR). James E. Leklem. New York, Plenum Press. 1981. \$45.00. ISBN: 0-306-40640-3. Order from Publisher.

Networking in Sci-Tech Libraries & Information Centers. New York, Haworth Press. 1980. (Science & Technology Libraries, v. 1, no. 2). 119 p. \$15.00 ISBN: 0-917724-72-0. ISSN: 0194-262X. Order from Publisher.

Nitrogen and Carbon Metabolism. Proceedings of a Symposium on the Physiology and Biochemistry of Plant Productivity, University of Calgary, 1980. The Hague, Boston, M. Nijhoff/W. Junk. 1981. 248 p. (Developments in Plant and Soil Sciences, v. 3). \$25.00. Order from Publisher.

Poison Plant Symposium, Chicago, 1980. Proceedings. Washington, D.C., Horticultural Research Institute. 1980. 27 p. \$5.00. Order from Publisher, 230 Southern Bldg., Washington, D.C. 20005

Ribosomes, Structure, Function, and Genetics: Proceedings. Steenbock Symposium on Ribosomes and Genetics (9th, 1979, University of Wisconsin-Madison). G. Chambliss, et al. Baltimore, University Park Press. 1980. \$49.50. ISBN: 0-8391-15695. Order from Publisher.

Science of the Culture of Freshwater Fish Species in China. Ottawa, Canada, International Development Research Centre. 1981. Set of 17 microfiche (IDRC-TS16e). Order from IDRC, P.O.B. 8500, Ottawa, Ontario, K1G 3H9, Canada.





AGRICOLA

AGRICOLA USERS GROUP

The Associates of the National Agricultural Library, Inc. have agreed to sponsor the AGRICOLA Users' Group. Plans are now underway to hold a Users' Group meeting at the American Library Association Conference, July 10-15, in Philadelphia. It is tentatively scheduled for July 13 from 8-10 p.m. All AGRICOLA users are welcome to attend. A registration fee will be charged; the amount will be announced at a later date.

Members of the Associates are organizing this first meeting. They plan to invite staff from NAL to speak concerning current developments with AGRICOLA. One or two other speakers from the user community will also be invited. Suggestions concerning these speakers are welcome. The other main agenda item will be the establishment of a basic organizational structure for the Group and the selection of officers for the first year.

Comments, suggestions, and volunteers are welcome and should be addressed to Harry Dewey, 4607 Brandon Lane, Beltsville, MD 20705.

SAVED SEARCHES

A new list of AGRICOLA saved searches has been prepared by the Information Systems Division. It is available from ISD, 5th Floor, National Agricultural Library, Beltsville, MD 20705, or by calling (301) 344-3813. All of these saved searches are on Dialog.

We appreciate comments or suggestions concerning any saved searches listed. Any suggested new search strategies would be most welcomed.

-Joseph R. Judy, Chief
Information Systems Division, NAL

CORRECTION

Oops our word processor blinked! Please note the following corrections for the article on SUBJECT COVERAGE OF THE AGRICOLA DATABASE, page 7 of the February issue of *ALIN*. The definitions under Rural Development and Sociology should have been headed Soil Science. The definitions of Rural Development and Sociology were inadvertently dropped. Please substitute the following:

RURAL DEVELOPMENT AND SOCIOLOGY

Aspects: Commercial, Economic, Educational, Historical, Legal, Sociological, Technical

Includes: Rural Development and Regional Planning
Rural Recreation and Tourism
Rural Sociology
Agrarian Reform

SOIL SCIENCE

Aspects: Biochemistry, Biology, Classification, Chemistry, Ecology, Genesis, Physics

Includes: Cultivation and Tillage
Conservation
Fertility and Fertilizers
Erosion and Reclamation
Surveys and Mapping
Resource and Management
Soil Improvement and Amendments
Irrigation and Drainage



COUNCIL ON BOTANICAL AND HORTICULTURAL LIBRARIES

The Fourteenth Annual Meeting of the Council on Botanical and Horticultural Libraries will be held in the Washington, D.C. area, June 2-4, 1982. Co-sponsors of the meeting will be the National Agricultural Library and the Associates NAL, Inc., with cooperation and assistance from Dumbarton Oaks Garden Library, Smithsonian Institution Botany Library, and the Library of Congress. The theme of the meeting will be the influence of plant exploration and importation upon horticulture and garden design, and the body of literature that records this. During the three-day meeting there will be seminars, a panel presentation, a dinner at the National Agricultural Library, and visits to the National Arboretum, Dumbarton Oaks, the Smithsonian, the Library of Congress, and American Horticultural Society's River Farm.

The planning committee consists of Ruth Schallert, Laura Byers, Elaine Inouye, and Jayne MacLean, chairman. Anyone wishing to attend the meeting should contact Mrs. MacLean at NAL for registration information (301) 344-3704.



NATIONAL AGRICULTURAL LIBRARY REVIEWS ITS ROLE

The National Agricultural Library is bringing together a study team to consider the library's role and organizational placement within the Department. Administrators of nine USDA agencies, deans of land-grant universities, and directors of other national and state libraries will serve on the panel. The primary objectives will be to characterize the influences of USDA's organizational structure on the library's performance and to make recommendations concerning NAL's role in the USDA information system and in national and international library-information systems. The study is expected to be completed early in 1983.



AGRICULTURAL TRANSLATIONS

This column is an alert to selected new receipts at NAL. They are available thru loan request (AD-245) to USDA personnel. Paid photoduplication to non-USDA persons is available (\$3/10 pages or fraction thereof per citation) Trans. No. and citation MUST be on request. Send to:

Lending Division
National Agricultural Library
U.S. Dept. of Agriculture
Beltsville, MD 20705

Aynaoud, J.M. and Toma, B. Study of A Bivalent Living Virus Vaccine Against Aujeszky's Disease (A.D.) and Swine Fever, Prepared from Two Viral Strains Obtained at Low Temperature in Cell Culture. Translated from French: *Journ. Rech. Porcine Ef. Inst. Natl. Rech. Agron.*, 1977, (145-151). Trans. No. 27660. TT 80-59375.

Stepanov, S.N. Results Obtained from the Use of Siberian Apple to Breed Dwarfing Clone Rootstocks. Translated from Russian: *Taz.-Ber., Akad. Landwirtsch.-Wiss. DDR. Berlin*, vol. 174 (237-245), 1979. Trans. No. 27665. TT 81-58071.

Yamov, V.Z. Biological Basis for the Control of Warble Flies. Translated from Russian: *Vestnik Sel'Skohnozyaistvennoi Nauk*, vol. 1, no. 2 (58-62), 1979. Trans. No. 27668. TT 81-58080.





AGRICULTURE DATEBOOK

April 19-June 22: *International Course on Irrigation Volcani Center, Bet Dagan, Israel.* The main topics of the course are Water Resources for Irrigation, Soil Properties, Soil-Water-Plant Relationships, Agricultural Meteorology, Salinity, Fertility, Irrigation Technology, Crop-Water Requirements, Economic and Energy Aspects, Extension Methods. The Government of Israel offers a limited number of full or partial scholarships to candidates from developing countries. Applications should be sent to K.M. Schallinger, Director, International Course, P.O.B. 6, 50250 Bet Dagan, Israel. Tel: 03-940272.

May 1-October 31: *Energy Turns the World.* 1982 World's Fair. Knoxville, TN. A number of seminars and professional meetings have been scheduled in Knoxville during that period.

May 2-6: *American Oil Chemists' Society, 73rd Annual Meeting.* Sheraton Centre, Toronto, Canada. Contact: James Lyon, Executive Director, AOCS, 508 S. Sixth Street, Champaign, IL 61820.

May 12-14: *EURIM 5: Information Management Research in Europe.* Palais des Congres, Versailles, France. Contact: The Conference Organiser, Aslib, 3 Belgrave Square, London SW1X 8PI, UK. Tel: 01-235-5050 ext. 22. Telex: 23667.

May 23-29: *International Symposium on Dietary Fibre in Human and Animal Nutrition.* Palmerston, NZ. Contact: Secretariat, Massey University, P.O. Box 63, Palmerston, New Zealand.

Late Spring, 1982: *Water and Energy: Technical and Policy Issues.* The two-part conference will be sponsored by

American Society of Civil Engineers. For the Eastern Conference, which will be held in Pittsburg, PA, May 23-26, apply to Fritz Kilpatrick, U.S. Geological Survey, National Center, Mail Stop 414, Reston, VA 22092. Tel: (703) 860-6848. For the Western Conference, held in Fort Collins, CO, June 27-30, apply to Don Matchett, Stone & Webster Engineering Corp., P.O. Box 5406, Denver, CO 80217. Tel: (303) 770-7700.

June 2-4: *Council on Botanical & Horticultural Libraries.* 14th Annual Meeting. Washington, D.C. The dinner meeting, June 3 will be held at the National Agricultural Library, Beltsville, MD. Contact: Jayne T. MacLean, Reference Section, National Agricultural Library, Beltsville, MD 20705. Tel: (301) 344-3704.

June 13-19: *American Society of Plant Physiologists.* Champaign, IL. Contact: G. R. Noggle, Acting Business Exec., 9650 Rockville Pike, Bethesda, MD 20014.

June 27-30: *American Dairy Science Association.* University Park, PA. Contact: C. Cruse, 309 W. Clark Street, Champaign, IL 61820.

July 4-7: *Agricultural Communicators Educational Conference.* Biloxi, MS. Broadwater Beach. Contact: Joseph J. Markes, 1-98 Agricultural Building, University of Missouri, Columbia, MO 65201.

August 1-4: *American Soybean Association.* Minneapolis, MN. Hyatt Regency. Contact: Ken R. Bader, Chief Exec. O., Box 27300, Craig Road, St. Louis, MO 63141.

August 2-4: *International Conference on Plant and Vegetable Oils as Fuels.* Fargo, ND. Sponsor: American Society of Agricultural Engineers. Contact: George L. Pratt, PE, Chairman, International Conference on Plant and Vegetable Oils as Fuels, Agricultural Engineering Department, North Dakota State University, Fargo, ND 58105.

August 8-13: *American Institute of Biological Sciences*. State College, PA. Penn. State University. Contact: Janet Barret, Head, Mtgs. Department, 1401 Wilson Blvd., Arlington, VA 22201.

August 18-20: *Fourth International Conference on Resource-Conserving, Environmentally Sound Agricultural Alternatives*. Massachusetts Institute of Technology, Cambridge, MA. Sponsored by International Federation of Organic Agriculture Movements. Contact: William Lockeretz, School of Nutrition, Tufts University, Medford, MA 02155.

September 3-11: *Fourth World Congress on Water Resources* Buenos Aires, Sante Fe and Parana, Argentina. The Congress will focus on "Water for Human Consumption, Man and His Environment." For more information contact Glenn E. Stout, Water Resources Center, University of Illinois, 208 N. Romine, Urbana, IL 61801. Tel: (217) 333-0536.

October 3-8: *World Conference on Oilseed and Edible Oil Processing*. The Congress Centre, The Hague, The Netherlands. Contact: James Lyon, Exec. Director, AOCS, 508 S. Sixth Street, Champaign, IL 61820.

October 4-8: *Second World Congress on Genetics Applied to Livestock Production*. Madrid, Spain. Contact: Carlos Luis de Cuenca, Departamento de Genetica y Mejora, Facultad de Veterinaria, Ciudad Universitaria, Madrid-3, Spain.

October 20-22: *Symposium on Twentieth Century Agricultural Science: Discovery, Use and Preservation*. Beltsville, MD. Contact: Alan Fusonie or Leila Moran, National Agricultural Library, Beltsville, MD 20705. Tel: (301) 344-3937. PLEASE NOTE CHANGE OF DATE.

Oct. 31-Nov. 4: *National Association of Extension 4-H Agents*. Baltimore, MD. Baltimore Hilton. Contact: Allen Ulrich, Sec., 1401 Walter Avenue, Fremont, OH 43420.


November 7-12: *U.S. Animal Health Association*. Nashville, TN. Radisson Plaza. Contact: J.C. Shook, Exec. Sec., 6924 Lakeside Avenue, Suite 205, Richmond, VA 23228.

November 14-17: *North American Symposium on Allelopathy*. University of Illinois, Urbana-Champaign campus. Contact: A.R. Gilmore, Department of Forestry, c/o Carol Holden, University of Illinois, Conferences and Institutes, 116 Illini Hall, 725 S. Wright Street, Champaign, IL 61820.

December 6-10: *National Farmers Organization*. Louisville, KY. Contact: Devon R. Woodland, Pres., 720 Davis Avenue, Corning, IA 50841.

December 6-10: *International Conference on Chemistry and World Food Supplies--The New Frontier (CHEMRAWN II)*. Manila, Philippines. Contact: Joyce Torio, CHEMRAWN II Coordinating Office, International Food Policy Research Institute, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036.

December 13-14: *Fourth National Drainage Symposium*. Contact: Darrell W. DeBoer, Program Chairman, Department of Agricultural Engineering, South Dakota State University, Brookings, SD 57007. Tel: (605) 688-5141.

December 13-15: *Infrastructure of an Information Society*. Co-hosted by Egyptian Society for Information Technology and American Society for Information Science. Cairo, Egypt. Contact: Dr. Bahaa El-Hadidy, ESIT/ ASIS Conference Co-Chairman, Graduate School of Library and Information Science, The Catholic University of America, Washington, D.C. Tel: (202) 635-5702 or 635-5085. 

AGRICULTURAL LIBRARIES INFORMATION NOTES provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Leila Moran, Editor. 